1. Record Nr. UNINA9910437840603321

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| Titolo | Mycoheterotrophy : the biology of plants living on fungi / / Vincent S.F. T. Merckx, editor |
| Pubbl/distr/stampa | New York, : Springer, 2013 |
| ISBN | 1-4614-5209-0 |
| Edizione | [1st ed. 2013.] |
| Descrizione fisica | 1 online resource (366 p.) |
| Collana | Life sciences Mycoheterotrophy |
| Altri autori (Persone) | MerckxVincent S. F. T |
| Disciplina | 570<br>571.2<br>578.012<br>578.09 |
| Soggetti | Plants<br>Fungi |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Mycoheterotrophy: An introduction -- Taxonomy and classification -- Biogeography and conservation -- Subterranean morphology and mycorrhizal structures -- Evolution and diversification -- Progress and prospects for the ecological genetics of mycoheterotrophs -- Species interactions of mycoheterotrophic plants – specialization and its potential consequences -- The physiological ecology of mycoheterotrophy. |
| Sommario/riassunto | Over the course of evolution, several plant lineages have found ways to obtain water, minerals, and carbohydrates from fungi. Some plants are able exploit fungi to such an extent that they lose the need for photosynthesis. The ability of a plant to live on fungal carbon is known as mycoheterotrophy. This intriguing process has fascinated botanists for centuries, yet many aspects of mycoheterotrophy have remained elusive for a long time. Mycoheterotrophy: The Biology of Plants Living on Fungi explores the biology of mycoheterotrophs, offering general insights into their ecology, diversity, and evolution. Written by renowned experts in the field and bolstered with lavish illustrations and photographs, this volume provides a thematic overview of different aspects of mycoheterotrophy. Comprehensive and readily |

accessible, Mycoheterotrophy: The Biology of Plants Living on Fungi is a valuable resource for researchers and students who are interested in the process of mycoheterotrophy.